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NATIONAL PHOTOGRAPHIC
INTERPRETATION CENTER

**PHOTOGRAPHIC
INTERPRETATION
REPORT**

**PROBABLE TV/MICROWAVE LINE
BETWEEN ARMAVIR AND MAKHACHKALA
USSR**

25X1

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PROBABLE TV/MICROWAVE RELAY LINE BETWEEN ARMAVIR AND MAKHACHKALA, USSR

1. A photographic search for a TV/microwave radio-relay line extending from Armavir to Makhachkala, USSR, revealed the existence of towers at eight separate locations listed below (Figure 1). This report contains a description of each tower, a location map, a photograph of one of the towers, and mensuration of the height of each tower.

2. Microwave antenna dishes were observed only at the Stavropol TV/Microwave Facility which contained two towers, one of which had a probable R60/120 microwave antenna dish mounted on it. The self-supporting lattice steel tower with the probable R60/120 microwave antenna dish was similar to the TV tower at Nalchik (Figure 2). A second unmounted R60/120 microwave antenna dish was observed on the ground within the support area of the Stavropol facility.

3. Six of the other locations had microwave signatures (a control building and fenced area), but antennas could not be seen. The support features for the remaining location were not completed; therefore this location did not have all the microwave signatures.

4. The entire search area was covered on KH-4 photography of good interpretability, and the cities of Armavir, Stavropol, Nalchik, Ordzhonikidze, Grozny, and Makhachkala were observed [redacted] of good interpretability. All measurements are accurate to within the limitations indicated, with a 95% confidence level.

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Stavropol TV/Microwave Facility

44-59-00N 041-54-30E, BE None, [redacted]

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25X1

This self-supporting lattice steel tower cast a shadow which indicated a probable R60/120 microwave antenna dish. The tower was within a secured area which also contained a control building and three small support buildings.

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This guyed lattice steel tower was located immediately east of Tower No 1 and adjacent to a small support facility. An R60/120 microwave antenna dish was on the ground within the support area.

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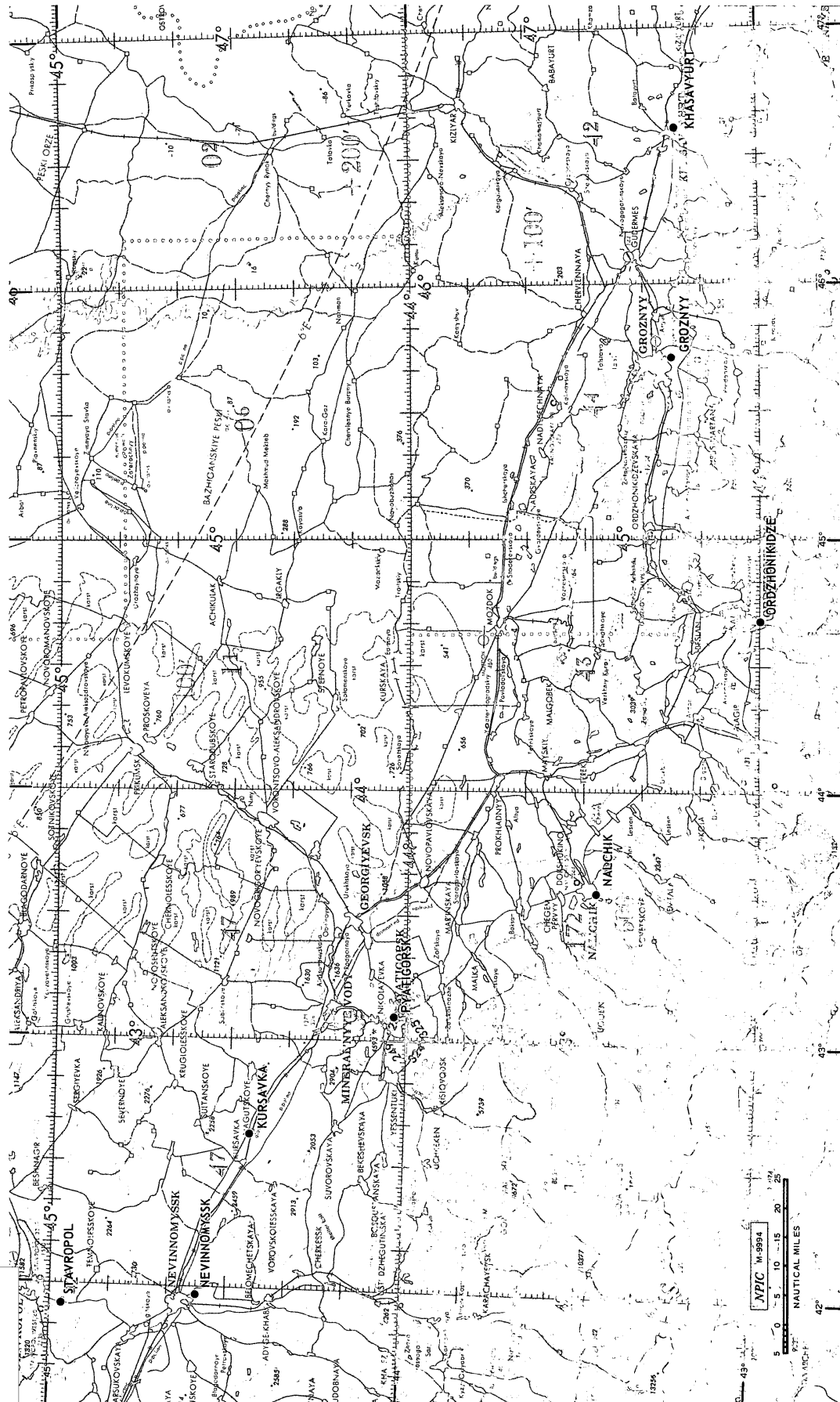


FIGURE 1. LOCATION MAP

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Nevinomyssk RadRel Sta SSE

44-34-45N 041-58-30E, [REDACTED]

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Microwave elements cannot be determined on these secured, guyed lattice steel towers. This facility also contained a control building and two support buildings.

Kursavka RadRel Sta

44-26-20N 042-37-15E, [REDACTED]

25X1
25X1

Microwave elements cannot be determined on this secured, self-supporting lattice steel tower. This facility also contained a control building and three support buildings.

Pyatigorsk RadRel A TV BC Center

44-03-10N 043-04-50E, [REDACTED]

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25X1

This facility consisted of a self-supporting lattice steel tower, a control building, and three support buildings.

Nalchik TV Facility (Figure 2)

43-27-50N 043-34-40E, BE None, [REDACTED]

25X1
25X1

This secured facility consisted of a self-supporting lattice steel tower, a control building, and two small support buildings.

Ordzhonikidze TV Station

43-01-05N 044-41-05E, BE None, [REDACTED]

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This secured facility consisted of a large guyed TV tower which supported an undetermined number of stacked TV transmitting antennas. This site also contained a control building and five support buildings.

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Groznyy RadRel A TV A FM BC Center

43-14-00N 045-42-00E.

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This secured facility contained a self-supporting lattice steel tower, a control building, and two support buildings.

Khasavyurt Suspect RadRel Sta

43-14-40N 046-35-55E.

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This unsecured facility contained a self-supporting lattice steel tower. The poor interpretability of the photography precludes further identification.

NPIC/IEG/SD/EB Project 250810

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